

A B S T R A C T

An improved arrangement to configure construction components consisting of the combination of metal and plastic to obtain a product with more mechanical properties than those of the separate materials, constituted by an internal metal structure covered by a plastic surrounding (2) or (12) or (22) or (32) or (42) or (52) or (62) or (72) or (82) or (92) or (102) or (112) to which, a metallic laminate is joined (4) and (4') or (84) or (114) and (114') for reinforcement in the bolted joints, applying the resulting composite in the manufacture of rails and beams (1), pipes (10), rods (20), channels (30), angles (40), flatbars (50), "Z" (60), profiles (70), beams (80), corrugated plates (90), smooth plates (100) or structures (110).

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